

## EAST Search History

| Ref # | Hits  | Search Query   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|-------|--|---|------------------|---------|------------------|
| S2    | 20    | ("20010038698" "20020005777" "20020141599" "20020149705" "5588041" "5777665" "6151398" "6279946" "6445804" "6643377").PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/10/15 14:43 |
| S4    | 847   | ((((ultra adj sonic) or (hyper adj sonic) or hypersonic or ultrasonic) near3 (speaker)) same directional) or (((ultra adj sonic) or (hyper adj sonic) or hypersonic or ultrasonic) near3 (speaker)) or (directional adj speaker)               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/10/15 14:11 |
| S5    | 54    | S4 and ((environment\$3 or vicinity or user) near3 (characteristic\$2 or attribute\$2 or information))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/10/15 14:12 |
| S6    | 2111  | ((((ultra adj sonic) or (hyper adj sonic) or hypersonic or ultrasonic) near3 (speaker))) or (directional with speaker) or (((ultra adj sonic) or (hyper adj sonic) or hypersonic or ultrasonic) near3 (speaker)) or (directional with speaker) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/10/15 14:12 |
| S7    | 226   | S6 and ((environment\$3 or vicinity or user) near3 (characteristic\$2 or attribute\$2 or information))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/10/15 14:12 |
| S8    | 63    | S7 and audio and ((position near3 (user or person or listener or passenger)) or (remote near2 controller))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/10/15 14:18 |
| S9    | 58215 | "709".clas.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/10/15 14:19 |
| S11   | 2111  | ((((ultra adj sonic) or (hyper adj sonic) or hypersonic or ultrasonic) near3 (speaker))) or (directional with speaker) or (((ultra adj sonic) or (hyper adj sonic) or hypersonic or ultrasonic) near3 (speaker)) or (directional with speaker) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/10/15 14:30 |

## EAST Search History

|     |     |   |   |    |     |                  |
|-----|-----|---|---|----|-----|------------------|
| S12 | 226 | S11 and ((environment\$3 or vicinity or user) near3 (characteristic\$2 or attribute\$2 or information))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/10/15 14:23 |
| S13 | 110 | S12 and (directional near3 (speaker or audio))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/10/15 14:26 |
| S14 | 43  | S13 and ((position near3 (user or person or listener or passenger)) or (remote near2 controller))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/10/15 14:27 |
| S15 | 20  | S12 and ((directional) near3 ((speaker or audio) NOT microphone))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/10/15 14:28 |
| S16 | 7   | S15 and ((position near3 (user or person or listener or passenger)) or (remote near2 controller))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/10/15 14:27 |
| S17 | 72  | ((((ultra adj sonic) or (hyper adj sonic) or hypersonic or ultrasonic) near3 (speaker))) or (directional with speaker) or (((ultra adj sonic) or (hyper adj sonic) or hypersonic or ultrasonic) near3 (speaker)) or (directional with speaker)) and ((environment\$3 or vicinity or user) near3 (characteristic\$2 or attribute\$2 or information)) and ((position near3 (user or person or listener or passenger)) or (remote near2 controller)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/10/15 14:31 |
| S18 | 2   | "20040208324".PN.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/10/16 14:55 |
| S19 | 2   | "6643377".PN.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/10/15 14:46 |

## EAST Search History

|     |      |   |   |     |     |                  |
|-----|------|---|---|-----|-----|------------------|
| S20 | 58   | (381/306 381/333 381/160 381/303 181/155).cccls. and (volume adj (control or knob))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2007/10/15 18:58 |
| S21 | 0    | (381/306 381/333 381/160 381/303 181/155).cccls. and (volume adj (control or knob) same (set adj top adj box))                        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2007/10/15 16:48 |
| S24 | 1    | "381".clas. and ((volume adj (control or knob)) same (set top box))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2007/10/15 16:52 |
| S25 | 8    | ("381".clas. and (volume adj (control or knob))) and (teleconferencing)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2007/10/15 16:56 |
| S26 | 2384 | ("381".clas. and (volume adj (control or knob)))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2007/10/15 16:56 |
| S27 | 0    | (directional adj speaker) and (regions) and (ultrasonic with elements)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2007/10/15 19:02 |
| S28 | 3    | (directional adj speaker) and (region\$2) and (ultrasonic with element\$2)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2007/10/15 19:04 |
| S29 | 15   | (directional adj speaker) and (speaker same (region\$2 or segment or area or surface)) and (ultrasonic with element\$2)               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON  | 2007/10/15 19:06 |
| S30 | 17   | (directional adj speaker) and (speaker same (region\$2 or segment or area or surface or transducer)) and (ultrasonic with element\$2) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON  | 2007/10/15 19:16 |
| S31 | 13   | Ultrasonic same Emitter same Transducer same Device same Configuration  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON  | 2007/10/15 19:11 |

## EAST Search History

|     |     |  |   |    |     |                  |
|-----|-----|--|---|----|-----|------------------|
| S32 | 17  | (directional adj speaker) and (speaker same (region\$2 or segment or area or surface or transducer or array)) and (ultrasonic with element\$2)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/10/15 19:17 |
| S33 | 93  | (directional adj speaker) and (speaker same (region\$2 or segment or area or surface or transducer or array)) and (ultrasonic)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/10/15 19:18 |
| S34 | 179 | ((directional or parametric) adj speaker) and (speaker same (region\$2 or segment or area or surface or transducer or array)) and (ultrasonic)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/10/15 19:18 |
| S35 | 160 | ((directional or parametric) adj speaker) and (speaker same (region\$2 or segment or transducer or array)) and (ultrasonic)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/10/16 14:56 |
| S36 | 177 | parametric adj array   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/10/15 19:26 |
| S37 | 82  | ((directional or parametric) adj speaker) and (speaker same (region\$2 or segment or transducer or array)) and (ultrasonic) and box  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/10/16 15:23 |
| S38 | 4   | ("5889870" "6229899").pn.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/10/16 15:24 |
| S39 | 847 | ((((ultra adj sonic) or (hyper adj sonic) or hypersonic or ultrasonic) near3 (speaker)) same directional) or (((ultra adj sonic) or (hyper adj sonic) or hypersonic or ultrasonic) near3 (speaker)) or (directional adj speaker) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/10/17 12:54 |
| S40 | 2   | norris-elwood.in.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/10/16 16:22 |

## EAST Search History

|     |     |   |   |    |     |                  |
|-----|-----|---|---|----|-----|------------------|
| S41 | 1   | norris-e.in.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/10/16 16:22 |
| S42 | 241 | norris-e\$10.in.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/10/16 16:22 |
| S43 | 90  | norris-el\$10.in.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/10/16 16:22 |
| S44 | 87  | norris-elw\$8.in.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/10/16 16:23 |
| S45 | 847 | (((ultra adj sonic) or (hyper adj sonic) or hypersonic or ultrasonic) near3 (speaker)) same directional) or (((ultra adj sonic) or (hyper adj sonic) or hypersonic or ultrasonic) near3 (speaker)) or (directional adj speaker) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/10/22 17:16 |
| S46 | 0   | S45 and (collinear with curv\$4)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/10/17 13:10 |
| S47 | 0   | S45 and (collinear same curv\$4)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/10/17 13:11 |
| S48 | 0   | S45 and (colinear same curv\$4)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/10/17 13:11 |
| S49 | 0   | S45 and (\$5collinear same curv\$4)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/10/17 13:12 |

## EAST Search History

|     |     |   |   |    |     |                  |
|-----|-----|---|---|----|-----|------------------|
| S50 | 798 | (\$5collinear same curv\$4)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/10/17 14:58 |
| S51 | 15  | (\$5collinear same curv\$4) and speaker   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/10/17 13:12 |
| S52 | 83  | norris-elwood-g.in.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/10/17 15:03 |
| S53 | 850 | (((ultra adj sonic) or (hyper adj sonic) or hypersonic or ultrasonic) near3 (speaker)) same directional) or (((ultra adj sonic) or (hyper adj sonic) or hypersonic or ultrasonic) near3 (speaker)) or (directional adj speaker) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/10/22 17:18 |
| S54 | 34  | S53 and ((user audio listener wearer personal hearing) adj (preference characteristic ))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/10/22 17:21 |
| S55 | 67  | (S53 or directional adj speaker) and ((user audio listener wearer personal hearing) adj (preference characteristic ))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/10/22 17:22 |
| S58 | 2   | "20010038698".PN.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/10/23 12:43 |
| S59 | 21  | (ultrasonic or directional or hypersonic) adj4 reflect\$4 adj4 (multiple or many or several or two or second) adj0 (surface or substrate)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/10/23 13:22 |
| S60 | 28  | S59 or (ultrasonic or directional or hypersonic) adj4 reflect\$4 adj0 (multiple or many or several or two or second) adj4 (surface or substrate)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/10/23 13:23 |

## EAST Search History

|     |     |  |   |    |     |                  |
|-----|-----|--|---|----|-----|------------------|
| S61 | 2   | "20010055397".pn.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/10/23 14:24 |
| S62 | 854 | ((((ultra adj sonic) or (hyper adj sonic) or hypersonic or ultrasonic) near3 (speaker)) same directional) or (((ultra adj sonic) or (hyper adj sonic) or hypersonic or ultrasonic) near3 (speaker)) or (directional adj speaker) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/10/23 16:03 |
| S63 | 14  | S62 same (frequenc\$4 with width with (beam or column))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/10/23 16:03 |
| S64 | 937 | (frequenc\$4 with width with (beam or column)) same direction\$3   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/10/23 16:09 |
| S65 | 12  | (frequenc\$4 with width with (beam or column)) same direction\$3 same carrier same ultrasonic  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/10/23 16:18 |
| S66 | 13  | (frequenc\$4 with (width or broad\$6) with (beam or column)) same direction\$3 same carrier same ultrasonic  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/10/23 16:18 |
| S67 | 185 | 381/160.ccls or 381/387.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/10/24 15:05 |
| S68 | 0   | S67 and (frequenc\$4 same (width or broad\$6) same (\$6beam or wave\$5 or column)) same direction\$3 same (carrier or ultrasonic)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/10/24 15:09 |
| S69 | 11  | S67 and (frequenc\$4 same (width or broad\$6) same (\$6beam or wave\$5 or column or acoustic\$3)) same (directional\$3 or carrier or ultrasonic)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/10/24 15:14 |

## EAST Search History

|     |      |  |   |    |     |                  |
|-----|------|--|---|----|-----|------------------|
| S70 | 2    | "6556687".pn.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/10/24 15:28 |
| S71 | 1033 | (frequenc\$4 with width with (beam or column)) same (direction\$3 or ultrasonic)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/10/24 15:54 |
| S72 | 406  | (frequenc\$4 with (width or broad\$5 or breadth or wide\$5) with (beam or column) with (increas\$4 or broad\$5)) same (direction\$3 or ultrasonic) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/10/24 15:56 |
| S73 | 14   | S72 and (audio and speaker)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/10/24 15:58 |
| S74 | 2    | "20010055397".pn.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/10/24 16:50 |
| S75 | 1    | S74 and (frequency same (ultrasonic or directional))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/10/24 16:50 |
| S76 | 1    | S74 and (frequenc\$4 same (ultrasonic or directional) same (adjust\$5 control\$4 chang\$5 manipulate determin\$4 set\$5 decreas\$5 increas\$5))    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/10/24 16:52 |



## EAST Search History

|     |     |   |   |    |     |                  |
|-----|-----|---|---|----|-----|------------------|
| S77 | 107 | ("20010055397" "20020012441" "20020048382" "20020048385" "20020054689" "20020090099" "20020090103" "20020183648" "20020191807" "20030035552" "20030091200" "20030092377" "20030118198" "20030182104" "20040202339" "20040204168" "3974335" "4128738" "4622440" "4823908" "4955729" "5313663" "5321758" "5357578" "5526411" "5572575" "5648824" "5793875" "5802190" "5819183" "5828768" "5835732" "5943430" "6011855" "6058315" "6086541" "6151398" "6169813" "6243472" "6275596" "6322521" "6363139" "6445804" "6453045" "6477258" "6496205" "6535612" "6584205" "6631196" "6643377" "6650755" "6895261" "7013009").PN. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/01/16 14:24 |
| S78 | 53  | ("20010055397" "20020012441" "20020048382" "20020048385" "20020054689" "20020090099" "20020090103" "20020183648" "20020191807" "20030035552" "20030091200" "20030092377" "20030118198" "20030182104" "20040202339" "20040204168" "3974335" "4128738" "4622440" "4823908" "4955729" "5313663" "5321758" "5357578" "5526411" "5572575" "5648824" "5793875" "5802190" "5819183" "5828768" "5835732" "5943430" "6011855" "6058315" "6086541" "6151398" "6169813" "6243472" "6275596" "6322521" "6363139" "6445804" "6453045" "6477258" "6496205" "6535612" "6584205" "6631196" "6643377" "6650755" "6895261" "7013009").PN. | US-PGPUB;<br>USPAT                                      | OR | OFF | 2008/01/16 14:47 |

## EAST Search History

|     |     |   |   |    |     |                  |
|-----|-----|---|---|----|-----|------------------|
| S79 | 61  | ("20010038698" "20010055397" "20020008718" "20020012441" "20020048382" "20020048385" "20020054689" "20020090099" "20020090103" "20020183648" "20020191807" "20030035552" "20030091200" "20030092377" "20030118198" "20030182104" "20040202339" "20040204168" "3942139" "3974335" "4128738" "4622440" "4823908" "4823908" "4955729" "5313663" "5321758" "5357578" "5495534" "5526411" "5572575" "5648824" "5764595" "5764782" "5793875" "5802190" "5819183" "5828768" "5835732" "5943430" "6011855" "6058315" "6086541" "6151398" "6169813" "6243472" "6275596" "6322521" "6363139" "6445804" "6453045" "6477258" "6496205" "6535612" "6556687" "6584205" "6594367" "6631196" "6643377" "6650755" "6895261" "7013009").PN. | US-PGPUB;<br>USPAT                                      | OR | OFF | 2008/01/16 14:50 |
| S80 | 9   | (US-20010038698-\$ or US-20010055397-\$).did. or (US-5495534-\$ or US-4823908-\$ or US-3942139-\$ or US-6594367-\$ or US-5764782-\$ or US-6556687-\$ or US-6643377-\$).did.   | US-PGPUB;<br>USPAT                                      | OR | ON  | 2008/01/16 14:50 |
| S83 | 50  | S78 not S80   | US-PGPUB;<br>USPAT                                      | OR | ON  | 2008/01/16 14:51 |
| S84 | 8   | S79 not S78   | US-PGPUB;<br>USPAT                                      | OR | ON  | 2008/01/16 14:51 |
| S85 | 3   | S80 not S84   | US-PGPUB;<br>USPAT                                      | OR | ON  | 2008/01/16 14:51 |
| S86 | 52  | S79 not S80   | US-PGPUB;<br>USPAT                                      | OR | OFF | 2008/01/16 14:52 |
| S87 | 383 | 381/182.ccls.   | US-PGPUB;<br>USPAT                                      | OR | OFF | 2008/01/16 14:57 |
| S88 | 2   | "20020008718".pn.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/02/15 15:44 |
| S89 | 247 | ((hearing audio) adj (preference characteristic)) near5 (user listener passenger))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/02/15 15:47 |

## EAST Search History

|     |    |  |   |    |    |                  |
|-----|----|--|---|----|----|------------------|
| S90 | 32 | ((((hearing audio) adj (preference characteristic)) near5 (user listener passenger)) same (personalization personal personaliz\$4) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/02/15 15:49 |
| S91 | 89 | ((((hearing) adj (preference characteristic)) near5 (user listener passenger))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/02/15 15:55 |
| S92 | 42 | "381".clas. and S91  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/02/15 15:55 |
| S93 | 2  | ((((hearing) adj (preference characteristic)) near5 (user listener passenger)) same (stereo or receiver)                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/02/15 15:59 |
| S97 | 24 | (stereo) with (audio near2 profile)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/02/15 16:09 |
| S98 | 2  | "5666424".pn.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/02/16 13:25 |
| S99 | 1  | (US-20030035552-\$).did.   | US-PGPUB  | OR | ON | 2008/02/16 13:38 |